

XXXIII.—List of the Mollusca observed between Drontheim and the North Cape. By R. M'ANDREW, Esq., F.L.S., and L. BARRETT, Esq., F.G.S.

OUR observations extended along 700 miles of coast, 300 of which were south and 400 north of the arctic circle, and from the littoral zone to a depth of 200 fathoms. The opportunities for dredging were most favourable, the coast being protected from the Atlantic swell by the numerous islands to the seaward; and the deeply indented fiords supplying many secure anchorages and sheltered dredging grounds. In the following lists the Norwegian distribution of each species is given, the coast being divided into three provinces, so that the extreme southern limit of the arctic species, and the northern limit of the southern species, can be more correctly ascertained.

## GASTEROPODA.

We met with 103 species of this class; of these 91 belong to the order Prosobranchiata, and 12 to the Opisthobranchiata. The smaller species were extremely abundant, but the larger species of *Buccinum* and *Fusus* were seldom met with.

## PROSOBRANCHIATA.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
CANCELLARIA, <i>Lam.</i> <i>viridula</i> , <i>O. Fabr.</i> .....	30-150	30-150	gravel, sand.	r.	Nord., Fin.
TRICHOTROPIS, <i>Brod.</i> <i>borealis</i> , <i>Sow.</i> .....	5-150	5-100	laminaria, gravel.	a.	Dront., Nord., Fin.
FUSUS, <i>Lam.</i> <i>propinquus</i> , <i>Alder</i> .....	150	.....	sand.	r.	Fin.
<i>antiquus</i> , <i>L.</i> .....	8-70	8-40	gravel, mud, sand.	a.	Dront., Nord., Fin.
<i>islandicus</i> , <i>Chemn.</i> .....	30-50	.....	sand, gravel.	r.	Fin.
<i>norvegicus</i> (young) ..	100	.....	sand.	.....	Fin.
TROPHON, <i>Montf.</i> <i>clathratus</i> , <i>L.</i> .....	10-100	16-100	gravel, sand, nullip.	a.	Nord., Fin.
<i>Gunneri</i> , <i>Lovén.</i> .....	8-150	8-150	nullip., weed, gravel	a.	Dront., Nord., Fin.
<i>Barvicensis?</i> <i>Johnst.</i> ...	70-160	70	gravel.	v. r.	Fin.

*Note.*—The figures in the first column of this and the following pages indicate the extent of the range at which the species was met with, whether alive or dead; in the second, the greatest and least depth at which it was dredged alive; in the third, the kind of sea-bottom is named; in the fourth, the letters express the degree of frequency of occurrence:—*a.* abundant, generally distributed and plentiful; *f.* frequent; *l.* local, more or less plentiful in a few localities; *r.* rare; and *v. r.* very rare, when but few examples occurred. In the fifth column the northern Scandinavian distribution is given, the coast being divided into three unequal provinces: North Drontheim (Dront.); Nordland (Nord.); and Finmark (Fin.).

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
<b>BUCCINUM, L.</b>					
undatum, L. ....	lit.-150	lit.-70	gravel, mud, sand.	a.	Dront., Nord., Fin.
Dalei, J. Sow. ....	100-160	100-160	sand.	v. r.	Fin.
Humphreysianum, Benn.	16-150	16-150	nullipora, sand.	v. r.	Fin.
fusiforme, Brod. ....	.....	30-160	sand.	v. r.	Fin.
cyaneum, Brug. ....	lit.	lit.	rock, sand.	a.	Nord., Fin.
<b>NASSA, Lam.</b>					
reticulata, L. ....	8-15	8-15	mud, stones.	r.	Nord.
incrassata, Müll. ....	5-50	5-50	laminaria, sand.	a.	Dront., Nord., Fin.
<b>PURPURA, Adans.</b>					
lapillus, L. ....	lit.	lit.	rock, sand.	a.	Dront., Nord., Fin.
<b>PLEUROTOMA, Lam.</b>					
nivale, Lovén ....	30-150	30-150	sand, gravel.	r.	Nord., Fin.
teres, Forbes ....	50	.....	sand.	l sp.	Dront.
<b>BELA, Leach.</b>					
turricula, Montg. ....	10-150	10-130	mud, sand, gravel.	a.	Dront., Nord., Fin.
rosea, Sars ....	30	10	mud, sand.	r.	Nord.
rufa, Montg. ....	10-200	10-100	mud, gravel, nullip.	a.	Dront., Nord., Fin.
mitrula, Lovén ....	10	10	sand.	l.	Nord., Fin.
Trevelliana, Turton ...	8-200	8-150	gravel, mud.	a.	Dront., Nord., Fin.
<b>DEFRANCIA, Millet.</b>					
linearis, Montg. ....	10-40	10-40	nullip., gravel, mud	r.	Dront., Nord.
pyramidalis, Ström. ...	50-100	50	sand, gravel.	r.	Nord., Fin.
<b>CYPRÆA, L.</b>					
europæa, Montg. ....	30	.....	nullipora.	v. r.	Dront.
<b>NATICA, Lam.</b>					
nitida, Don. ....	6-50	6-50	null., gravel, lamin.	a.	Dront., Nord., Fin.
Montagui, Forbes ....	3-70	3-70	gravel, nullip., mud	r.	Dront., Nord., Fin.
helicoides, Johnst. ....	3-60	3-30	gravel, sand.	l.	Dront., Nord., Fin.
pusilla, Gould ....	lit.-150	lit.-150	sand, gravel, weed	l.	Dront., Fin.
clausa, Sow. ....	lit.-150	lit.-150	sand, weed, mud.	a.	Nord., Fin.
<b>LAMELLARIA, Montg.</b>					
prodita, Lovén ....	.....	30-40	coral, gravel, sand.	l.	Fin.
<b>VELUTINA, Flem.</b>					
lævigata, L. ....	1-150	1-50	laminaria, gravel.	r.	Dront., Nord., Fin.
flexilis, Montg. ....	10-40	10-40	laminaria, gravel.	v. r.	Fin.
<b>ODOSTOMIA, Flem.</b>					
plicata, Montg. ....	15-70	15-70	sand, gravel.	r.	Dront., Nord., Fin.
<b>CHEMNITZIA, D'Orb.</b>					
elegantissima ....	35-160	40-100	gravel.	f.	Nord., Fin.
rufescens, Forbes ....	50	.....	sand.	v. r.	Dront.
<b>EULIMELLA, Forbes.</b>					
Scillæ, Sow. ....	15-200	25-100	gravel, mud.	r.	Dront., Nord.
affinis, Phil. ....	?	?	sand.	r.	Nord., Fin.
<b>EULIMA, Risso.</b>					
bilineata, Alder ....	15-200	20-100	mud, sand.	a.	Dront., Nord., Fin.
species (new) ....	?	?			
polita, L. ....	15-70	40	sand.	v. r.	Dront., Nord.
<b>CERITHIUM, Brug.</b>					
metula, Lovén ....	20-150	20-150	mud, sand.	f.	Dront., Nord., Fin.
species (new) ....	?	?			
reticulatum, Da Costa	1-40	1-40	mud, laminaria.	f.	Dront.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
<b>TRIFORIS, D'Arch.</b>					
M'Andreï, Adams .....	50-100	50-70	sand, gravel.	v. r.	Dront., Nord., Fin.
<b>APORRHAI, Da Costa.</b>					
pes-carbonis, Brug. ...	70	.....	sand.	v. r.	Nord.
pes-pelecani, L. ....	8-40	8-40	gravel, mud.	a.	Dront., Nord.
<b>TURRITELLA, Lam.</b>					
communis, Risso .....	15-40	15-40	mud, gravel.	a.	Dront., Nord.
<b>SCALARIA, Lam.</b>					
grœnlandica, Sow. ...	15-150	15-45	gravel, sand.	f.	
Loveni, Adams .....	30-50	30-50	gravel.	r.	Dront.
<b>LITTORINA, Féruss.</b>					
littorea, L. ....	lit.-10	lit.-5	rock, nullipora.	a.	Dront., Nord.
rudis, Don. ....	lit.-7	lit.	rock.	a.	Dront., Nord., Fin.
littoralis, L. ....	lit.	lit.	rock.	a.	Dront., Nord., Fin.
<b>LACUNA, Turton.</b>					
vineta, Montg. ....	lit.-30	lit.-30	laminaria, gravel.	a.	Dront., Nord., Fin.
labiosa, Lovén .....	.....	2-5	laminaria.	r.	Dront.
<b>RISSEO, Flem.</b>					
calathus, F. & H. ....	5-40	5-10	laminaria, gravel.	f.	Dront.
striata, Montg. ....	8-25	8-25	mud, gravel.	a.	Dront., Nord.
parva, Da Costa .....	lit.-10	lit.-10	weed, gravel.	f.	Dront.
rufilabrum, L. ....	1-10	1-10	laminaria, nullipora	a.	Dront., Nord.
ulvæ, Penn. ....	lit.	lit.	mud.	r.	Dront., Nord.
<b>SKENE, Flem.</b>					
species .....	15-70	15-40	mud, gravel.	a.	Dront., Nord.
<b>TROCHUS, L.</b>					
millegranus, Phil. ...	15-50	15-50	nullip., sand, gravel	r.	Dront., Nord.
tumidus, Montg. ....	lit.-30	lit.-30	null., gravel, lamin.	a.	Dront., Nord., Fin.
cinerarius, Montg. ...	lit.-30	lit.-30	laminaria, gravel.	a.	Dront., Nord., Fin.
<b>MARGARITA, Leach.</b>					
alabastrum, Beck .....	25-150	25-100	gravel, coral.	l.	Dront., Nord., Fin.
helicina, O. Fabr. ....	lit.-30	lit.-30	laminaria, nullipora	a.	Dront., Nord., Fin.
undulata, Sow. ....	lit.-150	lit.-100	lamin., gravel, null.	a.	Dront., Nord., Fin.
cinerea, Couth. ....	10-150	10-130	gravel, weed, coral.	a.	Dront., Nord., Fin.
<b>SCISSURELLA, D'Orb.</b>					
crispata, Flem. ....	40-100	40-80	sand, gravel.	r.	Dront., Nord., Fin.
angulata, Lovén .....	40-100	.....	sand.	.....	Nord.
<b>PUNCTURELLA, Lovén.</b>					
noachina, L. ....	4-150	4-70	gravel, nullipora.	a.	Nord., Fin.
<b>EMARGINULA, Lam.</b>					
reticulata, Sow. ....	1-30	1-30	laminaria, nullipora	f.	Dront., Nord.
crassa, J. Sow. ....	30	.....	gravel.	v. r.	Dront.
<b>PILEOPSIS, Lam.</b>					
hungaricus, L. ....	.....	20	gravel, rock.	v. r.	Dront., Nord.
<b>PATELLA, L.</b>					
vulgata, L. ....	lit.	lit.	rock.	a.	Dront., Nord.
pellucida, L. ....	lit.-20	lit.-20	rock, laminaria.	f.	Dront., Nord., Fin.
cæca, Müll. ....	20-100	20-100	gravel, mud.	a.	Dront., Nord., Fin.
<b>ACMÆA, Esch.</b>					
virginea, Müll. ....	6-50	6-50	gravel, nullipora.	a.	Dront., Nord., Fin.
testudinalis, Müll. ...	lit.-30	lit.-10	nullipora, gravel.	a.	Dront., Nord., Fin.
<b>PROLIDIDIUM, F. &amp; H.</b>					
fulvum, Müll. ....	15-150	15-100	gravel, nullipora.	a.	Dront., Nord., Fin.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
<b>DENTALIUM, L.</b>					
entale, L. ....	4-200	4-200	gravel, nullipora.	a.	Dront., Nord., Fin.
species (new) .....	70-150	70-150	mud.	r.	Nord., Fin.
species (new) .....	?	?			
<b>CHITON, L.</b>					
Hanleyi, Bean .....	.....	35-120	rock, gravel.	r.	Dront., Nord.
ruber, L. ....	.....	1-30	gravel, nullipora.	a.	Dront., Nord., Fin.
asellus, Chemn. ....	.....	1-130	gravel.	a.	Dront., Nord., Fin.
lævis, Penn. ....	.....	30-50	nullipora.	a.	Fin.
marmoreus, O. Fabr. ....	.....	7-30	nullipora, laminaria	a.	Nord., Fin.
cancellatus, Sow. ....	.....	15-20	gravel.	r.	Nord.
alveolus, Sars .....	.....	120-150	rock.	r.	Dront., Nord.
cinereus, L. ....	.....	lit.	gravel.	1 sp.	Dront.
<b>OPISTHOBRANCHIATA.</b>					
<b>TORNATELLA, Lam.</b>					
fasciata, L. ....	30-35	30-35	mud.	1.	Dront., Nord.
<b>CYLICHNA, Lovén.</b>					
alba, Lovén .....	20-150	20-30	mud, sand.	f.	Dront., Nord., Fin.
cylindracea, Penn. ...	20-70	20-40	gravel.	r.	Dront., Nord., Fin.
truncata, Montg. ....	8-100	8-100	mud, sand.	f.	Dront., Nord., Fin.
<b>AMPHISPHYRA, Lovén.</b>					
hyalina, Turton .....	.....	20-30	mud.	r.	Fin.
<b>SCAPHANDER, Montf.</b>					
librarius, Lovén .....	20-150	20-30	mud, sand.	a.	Dront., Nord., Fin.
<b>PHILINE, Ascanius.</b>					
scabra, Müll. ....	15-40	15-40	mud, nullipora.	1.	Dront., Nord.
aperta, L. ....	15-20	15-20	nullipora.	r.	Nord.
quadrata, S. Wood ...	40-100	40-100	gravel.	1.	Fin.
<b>APLYSIA, L.</b>					
hybrida, Sow. ....	.....	lit.-20	rock.	r.	Dront., Nord.
<b>DORIS, L.</b>					
Johnstoni, A. & H. ...	.....	lit.	rock.	1.	Nord.
<b>DENDRONOTUS, A. &amp; H.</b>					
arborescens, Müll. ...	.....	lit.	rock.	r.	

**PTEROPODA.**

Prof. Lovén in his 'Catalogue of the Mollusca of Western Scandinavia' enumerates three species of this order; but we were not fortunate enough to procure a living or dead specimen of either species. We dredged at the entrance of Drontheim fiord three dead specimens of a species of *Cleodora*.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
CLEODORA, species ...	70	.....	sand.	3 sp.	Drontheim.

## BRACHIOPODA.

Five species of this order inhabit the shores of Norway, four of which we procured abundantly, the great depth of water along the coast being favourable to their numerical development; they range from 25–160 fathoms, and are generally distributed along the coast, with the exception of *Crania anomala*, which becomes extremely scarce in Nordland and is not found in Finmark. The species are mostly gregarious, and often when a haul of shells is obtained from clean ground, the specimens of Brachiopoda greatly exceed the other Bivalves and Univalves in number. Very few dead *Terebratulæ* were met with.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
TEREBRATULA, Brug. cranium, Müll. ....	15-200	25-160	gravel.	l.	Dront., Nord., Fin.
TEREBRATULINA, d'Orb. caput-serpentis, L. ...	30-100	30-100	coral, gravel.	a.	Dront., Nord., Fin.
RHYNCHONELLA, Fisch. psittacea, Gm. ....	40-150	40-50	gravel.	r.	Dront., Nord., Fin.
CRANIA, Retz. anomala, Müll. ....	25-100	25-100	gravel, rock.	a.	Dront., Nord.

## CONCHIFERA.

We met with ninety-four species of this class. They are most abundant on sandy and muddy bottoms. We dredged off the Vigten Islands one living specimen of the *Lima excavata*, which was by far the largest bivalve met with. Among the shells brought home were a few specimens which Mr. Woodward has found to be identical with *Limopsis pygmaea* from the Crag, a shell hitherto supposed to be extinct.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
ANOMIA, L. ephippium, L. ....	1-160	1-160	nullipora, gravel.	a.	Dront., Nord., Fin.
patelliformis, L. ....	3-28	3-25	gravel, nullipora.	a.	Dront., Nord.
aculeata, Müll. ....	1-70	1-70	gravel, nullipora.	.....	Dront., Nord., Fin.
striata, Lovén.....	50	50	gravel.	l.	Dront.
PECTEN, Müller. opercularis, L. ....	.....	3-25	gravel, nullipora.	r.	Dront., Nord.
islandicus, Müll. ....	15-150	20-40	gravel, nullipora.	a.	Dront., Nord., Fin.
pusio, Penn. ....	.....	5-20	laminaria.	r.	Dront.
tigrinus, Müll. ....	20-100	20-100	mud, gravel.	f.	Dront., Nord., Fin.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
<b>Pecten, Müll.</b>					
striatus, Müll. ....	3-100	3-50	mud, gravel.	a.	Dront., Nord., Fin.
danicus, Chemn. ....	20-70	.....	mud, gravel.	valves	Dront., Nord., Fin.
similis, Laskey .....	15-200	15-50	sand, nullipora.	f.	Dront., Nord., Fin.
groenlandicus, Sow. ...	100-150	150	sand.	v. r.	Nord., Fin.
sp. (new) .....	70	70	sand.	.....	Nord.
sp. (new) .....	100-150	100-150	sand.	v. r.	Nord., Fin.
sp. (new) .....	100-150	100-150	sand.	v. r.	Nord., Fin.
<b>Lima, Brug.</b>					
hians, Gm. ....	4-25	4-25	gravel, nullipora.	a.	Dront., Nord.
Loscombii, Leach.....	8-50	15-25	gravel, nullipora.	v. r.	Dront., Nord.
subauriculata, Montg...	15-120	15-120	gravel, sand.	v. r.	Dront.
excavata, Chemn. ....	30-150	120	gravel, rock.	v. r.	Dront., Nord.
<b>Limopsis, Sassi.</b>					
pygmæa, Philippi .....	.....	70-100	gravel, mud.	v. r.	Nord.
<b>Mytilus, L.</b>					
edulis, L. ....	lit.-40	lit.-40	nullipora, gravel.	a.	Dront., Nord., Fin.
<b>Modiola, Lam.</b>					
modiolus, L. ....	6-30	6-30	laminaria, gravel.	r.	Dront., Nord., Fin.
phaseolina, Phil. ....	30-160	30-160	gravel.	a.	Dront., Nord., Fin.
sp. ? .....	30	30	mud.	r.	Fin.
<b>Crenella, Brown.</b>					
decussata, Montg. ...	8-150	8-100	sand, gravel.	f.	Dront., Nord., Fin.
discors, L. ....	3-100	lit.-100	rock, gravel.	a.	Dront., Nord., Fin.
nigra, Gray .....	15-150	15-150	mud, sand, gravel.	f.	Dront., Nord., Fin.
marmorata, Forbes ...	lit.-100	lit.-100	mud, gravel.	l.	Dront., Nord., Fin.
<b>Arca, L.</b>					
raridentata, S. Wood...	20-150	30-150	gravel.	f.	Nord., Fin.
nodulosa, Müll. ....	15-25	15-25	gravel.	r.	Dront.
<b>Nucula, Lam.</b>					
nucleus, L. ....	8-50	8-50	nullipora, gravel.	f.	Nord.
tenuis, Montg. ....	8-100	8-100	gravel, mud.	a.	Dront., Nord., Fin.
corticata, Moller .....	100-150	100-150	sand, mud.	r.	Nord., Fin.
<b>Leda, Schum.</b>					
pernula, Müll. ....	20-160	20-160	gravel, mud.	a.	Dront., Nord., Fin.
caudata, Don. ....	10-160	10-160	gravel, mud.	a.	Dront., Nord., Fin.
lucida, Lovén .....	10-160	10-160	sand, gravel.	a.	Dront., Nord., Fin.
pygmæa, Munster ...	120	120	mud.	l.	Nord.
limatula, Say .....	120	120	mud.	v. r.	Nord.
<b>Cardium, L.</b>					
echinatum, L. ....	20-40	20-40	mud, nullipora.	l.	Dront., Nord., Fin.
edule, L. ....	lit.-25	lit.-25	sand, mud.	a.	Dront., Nord., Fin.
fasciatum, Montg. ...	15-100	15-100	mud, gravel.	a.	Dront., Nord., Fin.
nodosum, Turton .....	3-100	3-100	nullipora, mud.	f.	Nord., Fin.
suecicum, Reeve ....	20-150	20-100	gravel, mud.	a.	Dront., Nord., Fin.
elegantulum, Moller...	30-40	30-40	mud.	r.	Fin.
<b>Lucina, Brug.</b>					
borealis, L. ....	8-30	8-30	mud, null., gravel.	f.	Dront., Nord., Fin.
spinifera, Montg. ....	50	.....	sand.	l sp.	Nord.
flexuosa, Montg. ....	7-150	7-150	mud, gravel.	f.	Dront., Nord., Fin.
ferruginosa, Forbes ...	20-100	20-100	gravel, sand.	a.	Dront., Nord.
Sarsii ?, Phil. ....	30-100	.....	sand, mud.	valves	Dront., Nord., Fin.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
<b>ARTEMIS.</b>					
<i>exoleta, L.</i> .....	3-10	3-10	nullipora.	v. r.	Nord.
<i>lincta, Pult.</i> .....	8-25	8-25	mud, gravel.	r.	Dront., Nord.
<b>KELLIA, Turton.</b>					
<i>suborbicularis, Montg.</i>	1-25	1-25	gravel.	r.	Dront.
<b>MONTACUTA, Turton.</b>					
<i>substriata, Montg.</i> ...	.....	20	on <i>Spatangus</i> .	r.	Dront., Nord.
<i>bidentata, Montg.</i> ...	.....	50?	sand.	2 sp.	Nord.
<b>CYPRINA, Lam.</b>					
<i>islandica</i> .....	8-70	8-70	gravel, sand.	a.	Dront., Nord., Fin.
<b>ASTARTE, Sow.</b>					
<i>sulcata, Da Costa</i> .....	15-160	15-160	sand, gravel.	a.	Dront., Nord., Fin.
<i>crebricostata, F.</i> .....	20-200	20-160	mud, nullip., gravel.	a.	Nord., Fin.
<i>eñiptica, Brown</i> .....	4-50	4-50	sand, nullip., gravel.	a.	Dront., Nord., Fin.
<i>arctica, Gray</i> .....	lit.-4)	lit.-30	sand, nullip., mud.	l.	Nord., Fin.
<i>compressa, Montg.</i> ...	4-50	lit.-50	gravel, sand, nullip.	a.	Dront., Nord., Fin.
<b>VENUS, L.</b>					
<i>fasciata, Da Costa</i> ...	50	.....	sand.	l sp.	Dront.
<i>striatula, Da Costa</i> ...	3-40	3-40	gravel, nullip., sand.	a.	Dront., Nord., Fin.
<i>ovata, Penn.</i> .....	15-100	15-100	nullip., gravel, sand.	a.	Dront., Nord., Fin.
<i>casina, L.</i> .....	15-25	.....	gravel.	l sp.	Dront.
<b>TAPES, Megerle.</b>					
<i>pullastra, Wood</i> .....	3-10	.....	nullipora.	r.	Dront., Nord.
<i>virginea, L.</i> .....	15-25	.....	gravel.	v. r.	Dront., Nord.
<b>MACTRA, L.</b>					
<i>elliptica, L.</i> .....	7-150	7-25	nullipora, sand.	f.	Dront., Nord., Fin.
<b>TELLINA, L.</b>					
<i>solidula, Pult.</i> .....	4-28	4-25	gravel, mud.	f.	Dront., Nord., Fin.
<i>proxima, Brown</i> .....	20-100	20-100	sand, nullipora.	f.	Dront., Nord., Fin.
<i>fabula, Gronovius</i> .....	.....	3-10	nullipora.	r.	Nord.
<b>PSAMMOBIA, L.</b>					
<i>ferroensis, Chemn.</i> .....	3-40	3-40	nullipora, gravel.	c.	Dront., Nord.
<i>tellinella, Lam.</i> .....	.....	3-25	nullipora, gravel.	r.	Dront., Nord.
<b>GASTRANA, Schum.</b>					
<i>fragilis, L.</i> .....	.....	.....	.....	1 valve	Dront.
<b>DONAX, L.</b>					
<i>anatinus, Lam.</i> .....	15-25	.....	gravel.	r.	Dront.
<b>SYNDOSMYA, Recluz.</b>					
<i>alba, Wood</i> .....	8-40	8-40	mud.	a.	Dront., Nord., Fin.
<i>prismatica, Montg.</i> ...	8-150	8-30	mud.	a.	Dront., Nord., Fin.
<i>intermedia, Thompson</i>	8-70	8-70	mud.	a.	Dront., Nord., Fin.
<b>SOLEN, L.</b>					
<i>ensis, L.</i> .....	lit.	.....	rock.	l sp.	Nord.
<i>pellucidus, Penn.</i> .....	3-40	3-40	mud.	r.	Dront., Nord.
<b>MYA, L.</b>					
<i>truncata, L.</i> .....	lit.-100	lit.-40	mud, sand.	a.	Dront., Nord., Fin.
<i>arenaria, L.</i> .....	20-40	20-40	mud.	r.	Dront., Nord., Fin.
<b>CORBULA, Brug.</b>					
<i>nucleus, Lam.</i> .....	8-20	8-20	mud, gravel.	a.	Dront., Nord.
<b>NEÆRA, Gray.</b>					
<i>cuspidata, Olivi</i> .....	40-160	40-160	gravel, mud.	f.	Nord., Fin.
<i>costellata, Desh.</i> .....	20-40	20-40	mud.	r.	Dront.

Species.	Range.	Found living at	Ground.	Freq.	Norwegian distribution.
	fathoms.	fathoms.			
NEÆRA, Gray.					
obesa, Lovén .....	30-35	30-35	mud.	r.	Fin.
THETIS (EMBLA).					
Korenii, Lovén .....	45-90	70	sand.	r.	Fin.
SAXICAVA.					
arctica, L. ....	lit.-160	lit.-150	gravel, sand.	a.	Dront., Nord., Fin.
THRACIA, Bl.					
convexa, Wood .....	8-100	8-100	gravel, mud.	l.	Nord., Fin.
phaseolina, Lam. ....	.....	2-25	gravel, sand.	r.	Nord.
PERIPLOMA, Schum.					
prætenuis, Pult. ....	.....	3-10	nullipora.	v. r.	Nord.
LYONSIA, Turton.					
arenosa, Moller .....	.....	4-7	nullipora.	r.	Nord.
striata .....	.....	70	sand.	v. r.	Dront.
PHOLAS, L.					
crispata, L. ....	lit.	.....	sand.	l sp.	Nord.
XYLOPHAGA, Turton.					
dorsalis .....	.....	30-40	wood.	v. r.	Dront.
TEREDO, Adans.					
norvegica, Spengl.....	.....	20-30	wood.	v. r.	Fin.

TUNICATA.

The species of this class were most abundant on clean ground at a depth of 15-50 fathoms. In Grote fiord, on a muddy bottom in 20 fathoms water, a species of *Cynthia* occurred abundantly in masses composed of twenty to thirty individuals. A single specimen of *Pelonæa corrugata* was dredged off the coast of Nordland.

- AMOURŒCIUM, M.-Edw.
- argus, M.-Edw.
- BOTRYLLUS, Gaertner.
- polycyclus, Savigny.
- BOTRYLLOIDES, M.-Edw.
- albicans, M.-Edw.

- ASCIDIA, Baster.
- virginea, O. F. Müller.
- CYNTHIA, Savigny.
- limacina, E. Forbes.
- aggregata, Rathke.
- PELONÆA, F. & G.
- corrugata, Forbes.

Note.—We have several other species of this class which we think are not described.

POLYZOA.

The number of species collected is about thirteen, of which six at least seem to have been hitherto undescribed. With one exception, those which are known appear to belong to forms met with only in the Arctic or northern part of the temperate zones. The exception, *Retepora cellulosa*, of which however only a fragment occurred, is found in the Mediterranean, and probably in



the Southern hemisphere also. One species seems to be identical with a tertiary fossil, *Defrancia stellata* of Goldfuss. The most striking peculiarities in so small a collection are the occurrence in it of no less than four new species of *Eschara*, and of two new (as recent) forms of *Defrancia*, both abundant generic forms in the tertiary and cretaceous formations.

CELLEPORA, *O. Fabricius*.  
cervicornis, *Autor*.

ESCHARA, *Ray*.

teres, n. sp.

tridens, n. sp.

saccata, n. sp.

rosacea, n. sp.

RETEPORA, *Imperato*.

cellulosa, *Lam*.

beaniana, *King*.

IDMONEA, *Lamx*.

atlantica, *Forbes*.

HORNERA, *Lamx*.

frondiculata, *Lamx*.

DIASTOPORA, *M.-Edw*.

obelica, *Johnst*.

TUBULIPORA, *Lamarck*.

hispida, *Fleming*.

DEFRANCIA, *Bronn*.

fungiformis, n. sp.

stellata, *Goldfuss*.

Frequently the dredge came up quite full of masses of one or more of the above species. At Keilvig, in Finmark, a dredge from 100 to 160 fathoms water was quite filled with *Retepora*. The *Cellepora cervicornis* frequently formed large patches in 50 fathoms water. The *Idmonea atlantica* was very common, attached to a red weed found in the lower part of the Laminarian zone. We are indebted to Mr. Busk for the above list and notes on the Polyzoa; he has also kindly described and figured the new species, which will be published in an early Number of the 'Annals.'

#### XXXIV.—*Some Account of an Infant "Orang-Utan."*

By ALFRED R. WALLACE.

THIS little animal was probably not more than a month old when I obtained it by shooting its mother, with whom it fell to the ground apparently uninjured. I found out afterwards that it had then broken a leg and an arm, which however mended so rapidly, that I only noticed it a week or two afterwards by observing the hard swellings on the limbs where the irregular junction of the bone had taken place. When I first obtained it, it was toothless, but a few days afterwards it cut its two lower front teeth. I fed it with rice-water given out of a bottle with a quill in the cork, which after one or two trials it sucked very well. When however a finger was placed in its mouth it would suck at it with remarkable vigour, drawing in its little cheeks with all its might, thinking no doubt it had got hold of the